INDEX TO VOLUME 74 (2005)

Achdou, Yves, Bruno Franchi, and Nicoletta Tchou. *A partial differential equation connected to option pricing with stochastic volatility: regularity results and discretization*, 1291

Agashe, Amod, and William Stein, with an Appendix by J. Cremona, and B. Mazur. *Visible evidence for the Birch and Swinnerton-Dyer conjecture for modular abelian varieties of analytic rank zero*, 455

Ahn, Jaehyun. *See* Jung, Hwanyup

Ainsworth, M. *See* Dörfler, W.

Awanou, Gerard, and Ming-Jun Lai. *Trivariate spline approximations of 3D Navier-Stokes equations*, 585

Ayati, Bruce P., and Todd F. Dupont. *Convergence of a step-doubling Galerkin method for parabolic problems*, 1053

Bae, Sunghan. *See* Jung, Hwanyup

Basiri, Abdolali, Andreas Enge, Jean-Charles Faugère, and Nicolas Gürel. *The arithmetic of Jacobian groups of superelliptic cubics*, 389

Bauer, Mark, Edlyn Teske, and Annegret Weng. *Point counting on Picard curves in large characteristic*, 1983

Bebendorf, Mario. *Efficient inversion of the Galerkin matrix of general second-order elliptic operators with nonsmooth coefficients*, 1179

Bergam, A., C. Bernardi, and Z. Mghazli. *A posteriori analysis of the finite element discretization of some parabolic equations*, 1117

Bermúdez, Alfredo, Rodolfo Rodríguez, and Pilar Salgado. *Numerical treatment of realistic boundary conditions for the eddy current problem in an electrode via Lagrange multipliers*, 123

Bernardi, C. *See* Bergam, A.

Berrizbeitia, Pedro. *Sharpening "Primes is in P" for a large family of numbers*, 2043

Björn, Anders, and Hans Riesel. *Table errata to "Factors of generalized Fermat numbers"*, 2099

Blackburn, Simon R., Domingo Gomez-Perez, Jaime Gutierrez, and Igor E. Shparlinski. *Predicting nonlinear pseudorandom number generators*, 1471

Börm, Steffen, and Stefan A. Sauter. *BEM with linear complexity for the classical boundary integral operators*, 1139

Bracciali, C. F., Xin Li, and A. Sri Ranga. *Real orthogonal polynomials in frequency analysis*, 341

Braess, Dietrich, and Pingbing Ming. *A finite element method for nearly incompressible elasticity problems*, 25

Bramble, James H., Tzanio V. Kolev, and Joseph E. Pasciak. *The approximation of the Maxwell eigenvalue problem using a least-squares method*, 1575

Brenner, Holger. *Computing the tight closure in dimension two*, 1495

Brent, Richard P., Samuli Larvala, and Paul Zimmermann. *A primitive trinomial of degree 6972593*, 1001

Browkin, Jerzy. *Tame kernels of cubic cyclic fields*, 967

———. *Erratum to "Some new kinds of pseudoprimes"*, 1573

Buchmann, Johannes, and Arthur Schmidt. *Computing the structure of a finite abelian group*, 2017

Burman, Erik, and Alexandre Ern. *Stabilized Galerkin approximation of convection-diffusion-reaction equations: discrete maximum principle and convergence*, 1637

Cătinaş, Emil. *The inexact, inexact perturbed, and quasi-Newton methods are equivalent models*, 291

Chanane, Bilal. *Computation of the eigenvalues of Sturm-Liouville problems with parameter dependent boundary conditions using the regularized sampling method*, 1793

Chen, Hongsen. *Pointwise error estimates of the local discontinuous Galerkin method for a second order elliptic problem*, 1097

Chen, Richard M. M. *See* Jiang, Yao-Lin

Chen, Yong-Gao. *Five consecutive positive odd numbers, none of which can be expressed as a sum of two prime powers*, 1025

Chua, Kok Seng. *Real zeros of Dedekind zeta functions of real quadratic fields*, 1457

Chui, Charles K., and Qingtang Jiang. *Balanced multi-wavelets in* $\mathbb{R}^s$, 1323

———. *Refinable bivariate quartic* C^2*-splines for multi-level data representation and surface display*, 1369

Clavero, C., J. L. Gracia, and E. O'Riordan. *A parameter robust numerical method for a two dimensional reaction-diffusion problem*, 1743

Cockburn, Bernardo, and Jayadeep Gopalakrishnan. *Error analysis of variable degree mixed methods for elliptic problems via hybridization*, 1653

Cockburn, Bernardo, Guido Kanschat, and Dominik Schötzau. *A locally conservative LDG method for the incompressible Navier-Stokes equations*, 1067

Conder, Marston, and Peter Dobcsányi. *Applications and adaptations of the low index subgroups procedure*, 485

Connell, Chris. *A solution to certain polynomial equations with applications to nonlinear fitting*, 303

Dąbrowska, Dorota. *Recovering signals from inner products involving prolate spheroidals in the presence of jitter*, 279

Díaz-Mendoza, C., P. González-Vera, and M. Jiménez-Paiz. *Strong Stieltjes distributions and orthogonal Laurent polynomials with applications to quadratures and Padé approximation*, 1843

Dick, J., F. Y. Kuo, F. Pillichshammer, and I. H. Sloan. *Construction algorithms for polynomial lattice rules for multivariate integration*, 1895

Dobcsányi, Peter. *See* Conder, Marston

Doche, Christophe. *Even moments of generalized Rudin–Shapiro polynomials*, 1923

Dörfler, W., and M. Ainsworth. *Reliable a posteriori error control for nonconforming finite element approximation of Stokes flow*, 1599

Drăgănescu, Andrei, Todd F. Dupont, and L. Ridgway Scott. *Failure of the discrete maximum principle for an elliptic finite element problem*, 1

Drmota, Michael, Bernhard Gittenberger, and Thomas Klausner. *Extended admissible functions and Gaussian limiting distributions*, 1953

Du, Qiang, and Lili Ju. *Approximations of a Ginzburg-Landau model for superconducting hollow spheres based on spherical centroidal Voronoi tessellations*, 1257

Dupont, Todd F. *See* Ayati, Bruce P.

———. *See* Drăgănescu, Andrei

Durán, Ricardo G., and Ariel L. Lombardi. *Error estimates on anisotropic $\mathcal{Q}_1$ elements for functions in weighted Sobolev spaces*, 1679

Enge, Andreas. *See* Basiri, Abdolali

Engquist, Bjorn, and Yen-Hsi Tsai. *Heterogeneous multiscale methods for stiff ordinary differential equations*, 1707

Ern, Alexandre. *See* Burman, Erik

Everest, Graham, and Helen King. *Prime powers in elliptic divisibility sequences*, 2061

Farmer, D. W., and S. Lemurell. *Deformations of Maass forms*, 1967

Farrell, P. A., E. O'Riordan, and G. I. Shishkin. *A class of singularly perturbed semilinear differential equations with interior layers*, 1759

Faugère, Jean-Charles. *See* Basiri, Abdolali

Ferracina, L., and M. N. Spijker. *An extension and analysis of the Shu-Osher representation of Runge-Kutta methods*, 201

Flammang, Valérie, and Georges Rhin. *Algebraic integers whose conjugates all lie in an ellipse*, 2007

Franchi, Bruno. *See* Achdou, Yves

Freitas, Pedro. *Integrals of polylogarithmic functions, recurrence relations, and associated Euler sums*, 1425

Gander, Martin J., and Laurence Halpern. *Absorbing boundary conditions for the wave equation and parallel computing*, 153

Gaudry, P., and É. Schost. *Modular equations for hyperelliptic curves*, 429

Gavrilyuk, Ivan P., Wolfgang Hackbusch, and Boris N. Khoromskij. *Data-sparse approximation to a class of operator-valued functions*, 681

Gavrilyuk, Ivan P., and Volodymyr L. Makarov. *Algorithms without accuracy saturation for evolution equations in Hilbert and Banach spaces*, 555

Girault, Vivette, Béatrice Rivière, and Mary F. Wheeler. *A discontinuous Galerkin method with nonoverlapping domain decomposition for the Stokes and Navier-Stokes problems*, 53

Gittenberger, Bernhard. *See* Drmota, Michael

Gomez-Perez, Domingo. *See* Blackburn, Simon R.

González-Vera, P. *See* Díaz-Mendoza, C.
Gopalakrishnan, Jayadeep. *See* Cockburn, Bernardo
Gracia, J. L. *See* Clavero, C.
Guo, Chun-Hua, and Peter Lancaster. *Algorithms for hyperbolic quadratic eigenvalue problems*, 1777
Gürel, Nicolas. *See* Basiri, Abdolali
Gutierrez, Jaime. *See* Blackburn, Simon R.
Hackbusch, Wolfgang. *See* Gavrilyuk, Ivan P.
Hadjicostis, Christoforos N. *See* Wu, Yingquan
Hager, William W., and Soonchul Park. *Global convergence of SSM for minimizing a quadratic over a sphere*, 1413
Halpern, Laurence. *See* Gander, Martin J.
Han, Bin, Thomas P.-Y. Yu, and Yonggang Xue. *Noninterpolatory Hermite subdivision schemes*, 1345
Hare, Kevin G. *More on the total number of prime factors of an odd perfect number*, 1003
Harman, G. *On the greatest prime factor of $p-1$ with effective constants*, 2035
Hasanov, Vejdi I. *See* Ivanov, Ivan G.
Hashimoto, Ki-ichiro, and Akinari Hoshi. *Families of cyclic polynomials obtained from geometric generalization of Gaussian period relations*, 1519
He, Yinnian. *Optimal error estimate of the penalty finite element method for the time-dependent Navier-Stokes equations*, 1201
Hickernell, Fred J. *See* Yue, Rong-Xian
Hoshi, Akinari. *See* Hashimoto, Ki-ichiro
Hurlburt, Chris. *Computing isogeny covariant differential modular forms*, 905
Isaacs, I. M., and Dikran B. Karagueuzian. *Involutions and characters of upper triangular matrix groups*, 2027
Ivanov, Ivan G., Vejdi I. Hasanov, and Frank Uhlig. *Improved methods and starting values to solve the matrix equations $X \pm A^*X^{-1}A = I$ iteratively*, 263
Jia, Zhongxiao. *The convergence of harmonic Ritz values, harmonic Ritz vectors, and refined harmonic Ritz vectors*, 1441
Jiang, Qingtang. *See* Chui, Charles K.
Jiang, Yao-Lin, and Richard M. M. Chen. *Computing periodic solutions of linear differential-algebraic equations by waveform relaxation*, 781
Jiménez-Paiz, M. *See* Díaz-Mendoza, C.
Jónsson, Guðbjörn F., and Stephen A. Vavasis. *Accurate solution of polynomial equations using Macaulay resultant matrices*, 221
Ju, Lili. *See* Du, Qiang
Jung, Hwanyup, Sunghan Bae, and Jaehyun Ahn. *Determinant formulas for class numbers in function fields*, 953
Kalantari, Bahman. *An infinite family of bounds on zeros of analytic functions and relationship to Smale's bound*, 841
———. *Corrigendum to "An infinite family of bounds on zeros of analytic functions and relationship to Smale's bound"*, 2101
Kanschat, Guido. *See* Cockburn, Bernardo
Karagueuzian, Dikran B. *See* Isaacs, I. M.
Karakashian, Ohannes, and Charalambos Makridakis. *Convergence of a continuous Galerkin method with mesh modification for nonlinear wave equations*, 85
Katsaounis, Theodoros, and Chiara Simeoni. *First and second order error estimates for the Upwind Source at Interface method*, 103
Keller, Wilfrid, and Jörg Richstein. *Solutions of the congruence $a^{p-1} \equiv 1 \pmod{p^r}$*, 927
Khoromskij, Boris N. *See* Gavrilyuk, Ivan P.
King, Helen. *See* Everest, Graham
Klausner, Thomas. *See* Drmota, Michael
Knauer, Joshua, and Jörg Richstein. *The continuing search for Wieferich primes*, 1559
Koike, Kenji, and Annegret Weng. *Construction of CM Picard curves*, 499
Kolev, Tzanio V. *See* Bramble, James H.
Komatsu, Takao. *An algorithm of infinite sums representations and Tasoev continued fractions*, 2081

Kounchev, O., and H. Render. *Polyharmonic splines on grids $\mathbb{Z} \times a\mathbb{Z}^n$ and their limits*, 1831
Kräutle, Serge. *A domain decomposition method using efficient interface-acting preconditioners*, 1231
Kuo, F. Y. *See* Dick, J.
Lai, Ming-Jun. *See* Awanou, Gerard
Lal, Shine. *See* Nair, M. T.
Lancaster, Peter. *See* Guo, Chun-Hua
Larvala, Samuli. *See* Brent, Richard P.
Lemurell, S. *See* Farmer, D. W.
Li, Xin. *See* Bracciali, C. F.
Lombardi, Ariel L. *See* Durán, Ricardo G.
Lubich, Christian. *On variational approximations in quantum molecular dynamics*, 765
Luh, W., J. Müller, S. Ponnusamy, and P. Vasundhra. *Polynomial series expansions for confluent and Gaussian hypergeometric functions*, 1937
Makarov, Volodymyr L. *See* Gavrilyuk, Ivan P.
Makridakis, Charalambos. *See* Karakashian, Ohannes
Mghazli, Z. *See* Bergam, A.
Ming, Pingbing. *See* Braess, Dietrich
Miret, J., R. Moreno, A. Rio, and M. Valls. *Determining the 2-Sylow subgroup of an elliptic curve over a finite field*, 411
Moreno, R. *See* Miret, J.
Müller, J. *See* Luh, W.
Murota, Kazuo. *See* Tanaka, Ken'ichiro
Nair, M. T., and Shine Lal. *A finite dimensional realization of the mollifier method for compact operator equations*, 1281
Narcowich, Francis J., Joseph D. Ward, and Holger Wendland. *Sobolev bounds on functions with scattered zeros, with applications to radial basis function surface fitting*, 743
Neidinger, Richard D. *Directions for computing truncated multivariate Taylor series*, 321
Nochetto, Ricardo H., and Jae-Hong Pyo. *Error estimates for semi-discrete gauge methods for the Navier-Stokes equations*, 521
Oberman, Adam M. *A convergent difference scheme for the infinity Laplacian: construction of absolutely minimizing Lipschitz extensions*, 1217
O'Riordan, E. *See* Clavero, C.
———. *See* Farrell, P. A.
Pacetti, Ariel, and Fernando Rodriguez Villegas, with an appendix by B. Gross. *Computing weight 2 modular forms of level p^2*, 1545
Park, Soonchul. *See* Hager, William W.
Pasciak, Joseph E. *See* Bramble, James H.
Pillichshammer, F. *See* Dick, J.
Ponnusamy, S. *See* Luh, W.
Pyo, Jae-Hong. *See* Nochetto, Ricardo H.
Qiu, S.-L., and M. Vuorinen. *Some properties of the gamma and psi functions, with applications*, 723
Render, H. *See* Kounchev, O.
Rhin, Georges. *See* Flammang, Valérie
Rhin, Georges, and Qiang Wu. *On the absolute Mahler measure of polynomials having all zeros in a sector. II*, 383
Richstein, Jörg. *See* Keller, Wilfrid
———. *See* Knauer, Joshua
Riesel, Hans. *See* Björn, Anders
Rio, A. *See* Miret, J.
Rivière, Béatrice. *See* Girault, Vivette
Rodríguez, Rodolfo. *See* Bermúdez, Alfredo
Rodriguez Villegas, Fernando. *See* Pacetti, Ariel
Roşca, Daniela. *Locally supported rational spline wavelets on a sphere*, 1803
Salgado, Pilar. *See* Bermúdez, Alfredo
Sauter, Stefan A. *See* Börm, Steffen
Schmidt, Arthur. *See* Buchmann, Johannes

Schost, É. *See* Gaudry, P.
Schötzau, Dominik. *See* Cockburn, Bernardo
Scott, L. Ridgway. *See* Drăgănescu, Andrei
Shishkin, G. I. *See* Farrell, P. A.
Shparlinski, Igor, and Arne Winterhof. *A hidden number problem in small subgroups*, 2073
Shparlinski, Igor E. *See* Blackburn, Simon R.
Siksek, Samir. *On standardized models of isogenous elliptic curves*, 949
Simeoni, Chiara. *See* Katsaounis, Theodoros
Simon, Denis. *Solving quadratic equations using reduced unimodular quadratic forms*, 1531
Simons, John L. *On the nonexistence of 2-cycles for the $3x + 1$ problem*, 1565
Sloan, I. H. *See* Dick, J.
Spijker, M. N. *See* Ferracina, L.
Sri Ranga, A. *See* Bracciali, C. F.
Stein, William. *See* Agashe, Amod
Sugihara, Masaaki. *See* Tanaka, Ken'ichiro
Sun, Xingping. *Strictly positive definite functions on the unit circle*, 709
Syam, Muhammed I. *Conjugate gradient predictor corrector method for solving large scale problems*, 805
Tanaka, Ken'ichiro, Masaaki Sugihara, and Kazuo Murota. *Numerical indefinite integration by double exponential sinc method*, 655
Tchou, Nicoletta. *See* Achdou, Yves
Teske, Edlyn. *See* Bauer, Mark
Then, Holger. *Maaß cusp forms for large eigenvalues*, 363
Tsai, Yen-Hsi. *See* Engquist, Bjorn
Uhlig, Frank. *See* Ivanov, Ivan G.
Vacus, Olivier. *Mathematical analysis of absorbing boundary conditions for the wave equation: the corner problem*, 177
Valls, M. *See* Miret, J.
Vasundhra, P. *See* Luh, W.
Vavasis, Stephen A. *See* Jónsson, Guðbjörn F.
Vuorinen, M. *See* Qiu, S.-L.
Wang, Z., and R. Wong. *Linear difference equations with transition points*, 629
Ward, Joseph D. *See* Narcowich, Francis J.
Wendland, Holger. *See* Narcowich, Francis J.
Weng, Annegret. *See* Bauer, Mark
———. *See* Koike, Kenji
Wheeler, Mary F. *See* Girault, Vivette
Winterhof, Arne. *See* Shparlinski, Igor
Wittmann, Christian. *p-class groups of certain extensions of degree p*, 937
Wong, R. *See* Wang, Z.
Wu, Qiang. *See* Rhin, Georges
Wu, Yingquan, and Christoforos N. Hadjicostis. *On solving composite power polynomial equations*, 853
Xue, Yonggang. *See* Han, Bin
Yu, Thomas P.-Y. *See* Han, Bin
Yue, Rong-Xian, and Fred J. Hickernell. *Strong tractability of integration using scrambled Niederreiter points*, 1871
Zeng, Zhonggang. *Computing multiple roots of inexact polynomials*, 869
Zhang, Shangyou. *A new family of stable mixed finite elements for the 3D Stokes equations*, 543
Zhang, Zhenxiang. *Finding C_3-strong pseudoprimes*, 1009
Zhang, Zhimin. *Superconvergence of spectral collocation and p-version methods in one dimensional problems*, 1621
Zhao, Hongkai. *A fast sweeping method for Eikonal equations*, 603
Zhou, Jianxin. *Instability analysis of saddle points by a local minimax method*, 1391
Zhou, Xinlong. *Subdivision schemes with nonnegative masks*, 819
Zimmermann, Paul. *See* Brent, Richard P.

INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

Author	*Review Number*	*Classification*	*Page*
Allouche, Jean-Paul, & Jeffrey Shallit	5	11B85, 11Z05, 37A45, 37B10, 68Q45, 68R15, 94A45	1039
Bangerth, Wolfgang, & Rolf Rannacher	4	65L60, 65L70, 65M60, 65Nxx, 74S05, 76M10	1033
Björck, Åke	1	See Dahlquist, Germund	519
Dahlquist, Germund, & Åke Björck	1	65-01	519
Doležel, Ivo	9	See Šolín, Pavel	1049
Feistauer, M., J. Felcman, & I. Straskraba	2	35-XX, 65-XX, 76M10, 76M12, 76M20	520
Felcman, J.	2	See Feistauer, M.	520
Glowinski, Roland	10	35Bxx, 35Jxx, 35Kxx, 65Dxx, 65Mxx, 65Nxx, 76Dxx, 76Mxx	2095
Harper, L. H.	3	05C35, 90C27, 52B60	1033
Komzsik, Louis	7	65F15, 65F50	1045
Monk, Peter	8	65N30, 78A25, 78M10	1047
Rannacher, Rolf	4	See Bangerth, Wolfgang	1033
Segeth, Karel	9	See Šolín, Pavel	1049
Shallit, Jeffrey	5	See Allouche, Jean-Paul	1039
Sidi, Avram	6	40A05, 40A10, 40A25, 40A30, 40B05, 40G05, 41A20, 41A21, 41A25, 41A55, 41A58, 41A60, 65B05, 65B10, 65B15, 65D25, 65D30, 65R10, 65R20	1041
Šolín, Pavel, Karel Segeth, & Ivo Doležel	9	65N30, 65N12, 65N15	1049
Straskraba, I.	2	See Feistauer, M.	520

INDEX OF REVIEWS BY SUBJECT OF WORK REVIEWED

Author	*Review Number*	*Title*	*Page*
05-XX Combinatorics			
05C35 *Extremal problems*			
Harper, L. H.	3	Report on global methods for combinatorial isoperimetric problems	1033
11-XX Number theory			
11B85 *Automata sequences*			
Allouche, Jean-Paul, & Jeffrey Shallit	5	Automatic sequences. Theory, applications, generalizations	1039
11Z05 *Miscellaneous topics applications of number theory*			
Allouche, Jean-Paul, & Jeffrey Shallit	5	Automatic sequences. Theory, applications, generalizations	1039
35-XX Partial differential equations			
Feistauer, M., J. Felcman, & I. Straskraba	2	Mathematical and computational methods for compressible flow	520

35Bxx *Qualitative properties of solutions*

GLOWINSKI, ROLAND 10 Numerical analysis for fluids, Part 3. *Finite element methods for incompressible viscous flow* 2095

35Jxx *Partial differential equations of elliptic type*

GLOWINSKI, ROLAND 10 Numerical analysis for fluids, Part 3. *Finite element methods for incompressible viscous flow* 2095

35Kxx *Parabolic equations and systems*

GLOWINSKI, ROLAND 10 Numerical analysis for fluids, Part 3. *Finite element methods for incompressible viscous flow* 2095

37-XX Dynamical systems and ergodic theory

37A45 *Relations with number theory and harmonic analysis*

ALLOUCHE, JEAN-PAUL, & JEFFREY SHALLIT 5 Automatic sequences. Theory, applications, generalizations 1039

37B10 *Symbolic dynamics*

ALLOUCHE, JEAN-PAUL, & JEFFREY SHALLIT 5 Automatic sequences. Theory, applications, generalizations 1039

40-XX Sequences, series, summability

40A05 *Convergence and divergence of series and sequences*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

40A10 *Convergence and divergence of integrals*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

40A25 *Approximation to limiting values (summation of series, etc.)*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

40A30 *Convergence and divergence of series and sequences of functions*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

40B05 *Multiple sequences and series*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

40G05 *Cesàro, Euler, Nörlund and Hausdorff methods*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

41-XX Approximations and expansions

41A20 *Approximation by rational functions*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

41A21 *Padé approximation*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

41A25 *Rate of convergence, degree of approximation*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

41A55 *Approximate quadratures*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

41A58 *Series expansions (e.g. Taylor, Lidstone series, but not Fourier series)*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

41A60 *Asymptotic approximations, asymptotic expansions (steepest descent, etc.)*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

52-XX Convex and discrete geometry

52B60 *Isoperimetric problems for polytopes*

HARPER, L. H. 3 Report on global methods for combinatorial isoperimetric problems 1033

65-XX Numerical analysis

FEISTAUER, M., J. FELCMAN, & I. STRASKRABA 2 Mathematical and computational methods for compressible flow 520

65-01 *Instructional exposition (textbooks, tutorial papers, etc.)*

DAHLQUIST, GERMUND, & ÅKE BJÖRCK 1 Numerical methods 519

65B05 *Extrapolation to the limit, deferred corrections*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

65B10 *Summation of series*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

65B15 *Euler-Maclaurin formula*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

65Dxx *Numerical approximation and computational geometry (primarily algorithms)*

GLOWINSKI, ROLAND 10 Numerical analysis for fluids, Part 3. *Finite element methods for incompressible viscous flow* 2095

65D25 *Numerical differentiation*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

65D30 *Numerical integration*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

65F15 *Eigenvalues, eigenvectors*

KOMZSIK, LOUIS 7 The Lanczos method: evolution and application 1045

65F50 *Sparse matrices*

KOMZSIK, LOUIS 7 The Lanczos method: evolution and application 1045

65L60 *Finite elements, Rayleigh-Ritz, Galerkin and collocation methods*

BANGERTH, WOLFGANG, & ROLF RANNACHER 4 Adaptive finite element methods for differential equations 1033

65L70 *Error bounds*

BANGERTH, WOLFGANG, & ROLF RANNACHER 4 Adaptive finite element methods for differential equations 1033

65Mxx *Partial differential equations, initial value and time-dependent initial-boundary value problems*

GLOWINSKI, ROLAND 10 Numerical analysis for fluids, Part 3. *Finite element methods for incompressible viscous flow* 2095

65M60 *Finite elements, Rayleigh-Ritz and Galerkin methods, finite methods*

BANGERTH, WOLFGANG, & ROLF RANNACHER 4 Adaptive finite element methods for differential equations 1033

65Nxx *Partial differential equations, boundary value problems*

BANGERTH, WOLFGANG, & ROLF RANNACHER 4 Adaptive finite element methods for differential equations 1033

GLOWINSKI, ROLAND 10 Numerical analysis for fluids, Part 3. *Finite element methods for incompressible viscous flow* 2095

65N12 *Stability and convergence of numerical methods*

SOLÍN, PAVEL, KAREL SEGETH, & IVO DOLEŽEL 9 Higher-order finite element methods 1049

65N15 *Error bounds*

SOLÍN, PAVEL, KAREL SEGETH, & IVO DOLEŽEL 9 Higher-order finite element methods 1049

65N30 *Finite elements, Rayleigh-Ritz and Galerkin methods, finite methods*

MONK, PETER 8 Finite element methods for Maxwell's equations 1047

SOLÍN, PAVEL, KAREL SEGETH, & IVO DOLEŽEL 9 Higher-order finite element methods 1049

65R10 *Integral transforms*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

65R20 *Integral equations*

SIDI, AVRAM 6 Practical extrapolation methods: theory and applications 1041

68-XX Computer science

68Q45 *Formal languages and automata*

ALLOUCHE, JEAN-PAUL, & JEFFREY SHALLIT 5 Automatic sequences. Theory, applications, generalizations 1039

68R15 *Combinatorics on words*

ALLOUCHE, JEAN-PAUL, & JEFFREY SHALLIT — 5 — Automatic sequences. Theory, applications, generalizations — 1039

74-XX Mechanics of deformable solids

74S05 *Finite element methods*

BANGERTH, WOLFGANG, & ROLF RANNACHER — 4 — Adaptive finite element methods for differential equations — 1033

76-XX Fluid mechanics

76Dxx *Incompressible viscous fluids*

GLOWINSKI, ROLAND — 10 — Numerical analysis for fluids, Part 3. *Finite element methods for incompressible viscous flow* — 2095

76Mxx *Basic methods in fluid mechanics*

GLOWINSKI, ROLAND — 10 — Numerical analysis for fluids, Part 3. *Finite element methods for incompressible viscous flow* — 2095

76M10 *Finite element methods*

BANGERTH, WOLFGANG, & ROLF RANNACHER — 4 — Adaptive finite element methods for differential equations — 1033

FEISTAUER, M., J. FELCMAN, & I. STRASKRABA — 2 — Mathematical and computational methods for compressible flow — 520

76M12 *Finite volume methods*

FEISTAUER, M., J. FELCMAN, & I. STRASKRABA — 2 — Mathematical and computational methods for compressible flow — 520

76M20 *Finite difference methods*

FEISTAUER, M., J. FELCMAN, & I. STRASKRABA — 2 — Mathematical and computational methods for compressible flow — 520

78-XX Optics, electromagnetic theory

78A25 *Electromagnetic theory, general*

MONK, PETER — 8 — Finite element methods for Maxwell's equations — 1047

78M10 *Finite element methods*

MONK, PETER — 8 — Finite element methods for Maxwell's equations — 1047

90-XX Operations research, mathematical programming

90C27 *Combinatorial optimization*

HARPER, L. H. — 3 — Report on global methods for combinatorial isoperimetric problems — 1033

94-XX Information and communication, circuits

94A45 *Prefix, length-variable, comma-free codes*

ALLOUCHE, JEAN-PAUL, & JEFFREY SHALLIT — 5 — Automatic sequences. Theory, applications, generalizations — 1039